

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-329464

(43)Date of publication of application : 13.12.1996

(51)Int.Cl.

G11B 5/85  
G11B 5/66  
G11B 5/84  
H01F 41/22

(21)Application number : 07-136688

(71)Applicant : KAO CORP

(22)Date of filing : 02.06.1995

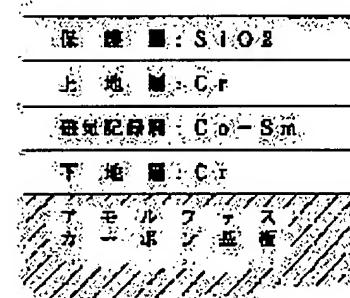
(72)Inventor : KOBAYASHI ISAO

## (54) PRODUCTION OF MAGNETIC RECORDING MEDIUM

### (57)Abstract:

PURPOSE: To obtain a magnetic recording medium having high coercive force and adaptable to high recording density with a low-cost Co-Sm alloy material as the material of a magnetic recording layer.

CONSTITUTION: A film of Cr as an underlayer, a film of a Co<sub>100-x-y</sub>-Sm<sub>x</sub>-R<sub>y</sub> alloy [R is a rare earth element other than Sm, (x) is 1-30at.% and (y) is 0-10at.%] as a magnetic recording layer and a film of Cr as an upper layer are formed on an amorphous carbon substrate at  $\leq 400^{\circ}\text{C}$  temp. of the substrate and then heating is carried out. at  $250-650^{\circ}\text{C}$  in inert gas or in vacuum.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-329464

(43)Date of publication of application : 13.12.1996

(51)Int.CI.

G11B 5/85

G11B 5/66

G11B 5/84

H01F 41/22

(21)Application number : 07-136688

(71)Applicant : KAO CORP

(22)Date of filing : 02.06.1995

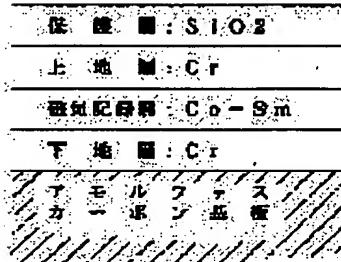
(72)Inventor : KOBAYASHI ISAO

## (54) PRODUCTION OF MAGNETIC RECORDING MEDIUM

## (57)Abstract:

PURPOSE: To obtain a magnetic recording medium having high coercive force and adaptable to high recording density with a low-cost Co-Sm alloy material as the material of a magnetic recording layer.

CONSTITUTION: A film of Cr as an underlayer, a film of a Co<sub>100-x-y</sub>-Sm<sub>x</sub>-R<sub>y</sub> alloy [R is a rare earth element other than Sm, (x) is 1-30at.% and (y) is 0-10at.%] as a magnetic recording layer and a film of Cr as an upper layer are formed on an amorphous carbon substrate at &le;400° C temp. of the substrate and then heating is carried out at 250-650° C in inert gas or in vacuum.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]